RF TEST REPORT

Applicant :	Huzhoushi Dingchen Trading Co., Ltd.
Address:	wuxingqu huanzhugongyeyuanqu jinsuolu 188hao 9zhuang 215shi, huzhoushi, Zhejiangsheng, China
Manufacturer:	Huzhoushi Dingchen Trading Co., Ltd.
Address:	wuxingqu huanzhugongyeyuanqu jinsuolu 188hao 9zhuang 215shi, huzhoushi, Zhejiangsheng, China
EUT Name:	Camping lamp
Trade mark:	/
Model:	TL2000
FCC ID:	2A6WF-TL2000
Power supply:	DC 3V battery
Sample Received Date:	Jul. 2, 2026
Test Date:	Jul. 2, 2026~Jul. 8, 2026
Applicable Standards:	47 CFR 2.1093
Test Result	Pass

Prepared by: Jojo Wu

Jojo Wu/Project Engineer

Approved by: Bruce zhang

Bruce Zhang/Technical Manager

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Revision History

Version	Date of Issue	Description
V00	Jul. 14, 2026	Original Version

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1. EUT DESCRIPTION

Product:	Camping lamp
Test Model:	TL2000
Additional Model:	/
Rating:	DC 3V battery
FCC ID:	2A6WF-TL2000
Antenna Type:	PCB Antenna
Antenna Gain:	1.5 dBi
Operation Frequency:	433.92MHz
Number of Channels:	1
Modulation Type:	ASK
Hardware Version:	V1.0
Software Version:	V1.0

Note:
1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2) Antenna gain was provided by the applicant/ manufacturer, and the applicant/ manufacturer is responsible for its validity.
3) The test results in the report only apply to the tested sample.

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2. RF EXPOSURE EVALUATION

2.1. Requirement

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1
Standalone Standalone SAR test exclusion considerations
Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition(s), listed below, is (are) satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.28 The minimum test separation distance defined in 4.1 f) is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander. To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified, typically in the SAR measurement or SAR analysis report, by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting are required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops and tablets, etc.

a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where
f(GHz) is the RF channel transmit frequency in GHz.

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison
The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below
The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

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2.2. Tune-up Result

For 433MHz

Frequency （MHz）	Max Field strength(dBuV/m)）	EIRP （dBm）	Maximum Tune up Power (dBm)
433.92	76.1	-19.0576	-20±1
Note：E=EIRP-20log D+ 104.7 E=electric field strength in dBuV/m EIRP=equivalent isotropie radiated power in dBm D=specified measurement distance in meters(3m)			

2.3. Evaluation Result

Mode	Maximum Tune up Power (dBm)	Max tune-up(mW)	Calc. Thresholds	Limit	Result
433.92MHz	-19	0.0126	0.0017	3	PASS

2.4. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 D01V06

End of Report

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